

1000 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990

AK064280.q **VDAAIFFDFK**ELO**** IVALRQHINLIRLILWC**HEK** EKILVYEFNQ**KOSLDN**IIFHK RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
19800008.q **ADTAIFDLK**SELQ**** IVALRQHINLIRLILWC**HEK** EKILVYEFNQ**KOSLDN**IIFHK RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
19800013.q **LARVQHNNLVKLLW**CYH**GK** ERILVYEF**FAD**RSLQHYIF**DK** RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59980012.q **Y-VDKIPFQ**QLE**EDD**LII**KL**HTN**IV**KLL**WC**YCR**KR** ERILVYEF**Y**PNRS**LD**SF**INGER** RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59980008.q **Y-VNRIPF**QLE**NEAK**IIC**KL**HTN**IV**KLL**WC**YCS**ER** ERILVYEF**Y**PNRS**LD**SF**INGER** RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK068357.q **MGTGEK**WCF**Y**TYE**RE**ALL**KL**HTN**IV**KLL**WC**YCR**EW** ERILVYEF**Y**PNRS**LD**SF**INGER** RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
71930007.q **DEM**KEA**NATGN**V**SAAKE** FILLVDEYMTN**CNL**TLYGG RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK102027.q **VDL**NE**NT**PEV**V**VGK**EE** FILLVDEYMTN**CNL**TLYGG RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
61270029.q **A-C**SGC**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83553307.q **SA-C**SV**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK060565.q **SS-C**SV**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
40480009.q **AS-H**SGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
40480008.q **AS-H**SGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
37350010.q **VAS-H**SGC**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK064115.q **A-C**SGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83552850.q **A-H**SGC**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83552837.q **A-H**SGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK110461.q **AA-C**SGC**Q**GL**LF**E**FK**NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
43690009.q **AVSSSS**CGC**Q**GL**DF**OF****NEI**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15233263.p **LSLA-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83505375.q **LAAS-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK103360.q **LSASR-S**CGA**E**F**FR**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK105608.q **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK101616.q **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83553469.q **DCR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15234429.p **P-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15237045.p **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK110116.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
47360009.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK066162.q **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
47360004.q **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83553464.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15234424.p **LSE-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15234427.p **LSE-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59180010.q **LSSW-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59180009.q **LSSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59760019.q **LSKDS-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59760018.q **LSKDS-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59180002.q **LSKDS-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59180001.q **LSKDS-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
59180008.q **LSRSD-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
22086619.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
81860009.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
54930001.q **INTCT-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83340011.q **IGT-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83525032.q **LSTEST-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
AK065352.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
22086625.q **LNE-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83340006.q **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15234346.p **LSK-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
15236268.p **LSR-S**CGC**Q**GL**LF**E**FK**NEV**** IVALRQHINLVRLL**CC**EGD RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
83543188.q **FVESSP*R*DF*N*E*T**H**R**L**V**I**N**K**C**E**G**K*** ERILVYEF**Y**PNKS**LD**SF**FI**R G RIGCALNNSKR**LCI**KLAE**LLYLHK**C C IIVHR-DLKPNILLD**DMEK**IA**DFCSA**VTLVSDVAEE-CIRRVCCTGCVI
1ir3_IRK **NESAS*R*DF*N*E*T**H**R**L**V**I**N**K**C**E**G**K*** P*L**V**M**E**L**A**H**C**D**T**E**T**N**T* FFLVDEIKL**PF**Y*Y**T**V**E**G**M**K**T**A**L**S**T**A**S**L**A**H**M**E**I**V**G**T**O**Q**K**P**A**I**D**A**P**N**H**R**V**C**K**R**M*
2phk_Phk **-EATL**K**Q**DF**Y*Y**T**V**E**G**M**K**T**A**L**S**T**A**S**L**A**H**M**E**I**V**G**T**O**Q**K**P**A**I**D**A**P**N**H**R**V**C**K**R**M*
lias_TGFr
SSRDRSWFREATEYTQVMLRHENILGFIAADKDNGTWQLQWVSDYREHSLFDYINR**

1200 1010 1020 1030 1040 1050 1060 1070 1080 1090 1100 1110 1120 1130 1140 1150 1160 1170 1180 1190

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19800008.q APEYASCOL YSLKDDVFSFVVVLEIISCRKIN-FIMEKQGDTCVNLIRD AHHM RDGRLE-LVDALC-DGVE STVIMRC TCVALLCAQEDP ADRPIMDVTVMLDS-ESIML SDPKKP
19800013.q APEYASCVN YSVKNDVFSFVVVLEIISCRKIN-SILYKQRDAIGD-LWDVLITLSNGREKQRVFSVILDYSINLNKNIKAKHMRDPCLIE LVDGLG-NVYE LDQILPQ TCVALLCAQEDP TCVPPMDVAAMLSGSVILL DDPKKP
59980008.q APEYKQCGC ISLQDDVFSFCAILQLIIRKXHISPSSLALSDESHEHYGLIN KWAANL KDNLNE-LLDLSLHDENH ASELKRN VCVALLCVQOQP BERPSPMDVLLMLSCDSVILP EKLPFA
AK068357.q APEYLRGGI ISTRKDDVFSFATLLEIIRKSRIPPSLELSDESRLFEGPLN KWAELR RGNLME-FIDSLRGETHS AAETTSC VCVALLCVQKDP ADRPIMDVLLMLRDEKIVAA PKKPGD
71930007.q PPEYITIGCT PSIKNDVFSFVVVLEIISCRKIN-SGRGARHVASIE WAWNVRSLSGMMN-LPDRLCDSEQ QDPLKRC IGTTCVQKDP TERPIMDVTVMLQGKKVPT PKQPGY
AK102027.q APEYLVCEV FSIKNDVFSFVVVLEIISCRKIN-SGRDTRHASE ISEKRNMSK LKEEIKRC IGTTCVQKEL TDRPIMDVLLMLQGKKVPT PKQPGY
61270029.q APEYALDCV CSKADAVFSFVVVLEIISCRKIN-TGGSYRNNDGKLYLIAA VLLK KDRWLE-LIDELGLDR YHAAJRC MOVALLCVQEDA PDRKAMDVVMLNEOAAS QLPEPKOS
83553307.q SPEYASCCG CSIKDDVFSFVVVLEIISCRKIN-TAGFYPPY-DGKLCKLILSYA VQLRS CGGHE-LVCCRLGN NHKVJRC IGVALLCVQERA DDPSPIDCVVMLNSEEMT LPKPNQF
AK060565.q APEYASCCG FSIKDDVFSFVVVLEIISCRKIN-TAGFYPPY-GKFFENLGYA VQLQEGGWE-LVDALGDFP FAMEVMKG VCVALLCVQDSA DDPSPMDVLLMLSECVT MPKPP
40480009.q APEYASCVL FSIKDDVFSFVVVLEIISCRKIN-TAGFYPPY-GDFINLLGA VSLGEGRWIE-LIDDSLVSXKYD PAENELIMRC IGVALLCVQENA ADRPIMDVTVMLSKTMV LAEPKHP
40480008.q APEYSSCGL FSIKDDVFSFVVVLEIISCRKIN-TAGFYPPY-GDFINLLGYA VKLNSBEPWIE-LLDASLVSINWQ SSC MLCR IGVALLCVQENA VDRPIMDVTVMLSESVM DDPKKP
37350010.q APEYASCVL FSIKDDVFSFVVVLEIISCRKIN-TAGFYPPY-GDFINLLGYA VKLNSBEPWIE-LLDASLVSINWQ SSC MLCR IGVALLCVQENA ADRPIMDVTVMLSESMT LPKPNP
AK064115.q SPEYASCGI YSIKNDVFSFVVVLEIISCRKIN-TGGFHQY-GDFLNLGYA VHMEECRWID-LIGASIPOTIP TEG LRLKQ IGVALLCVQENA DDPSPMDVLLMLSESMT LPKPNP
83552850.q APEYASCCG FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GDFFNLLGYA VQLKDGDSWIE-LVDDSLVSSEQG MME IKKG MKVALLCVQENA VDRPIMDVTVMLSELKI LPKPNQF
83552837.q APEYASCCG FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GDFFNLLGYA VQLKDGDSWIE-LVDDSLVSSEQG MME IKKG MKVALLCVQENA VDRPIMDVTVMLSELKI LPKPNQF
AK110461.q APEYASCGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VRL R VCVALLCVQAND EHRPNIKDVVMLNTFALD VPKPP-P
43690009.q APEVLLIGCT FSDKDDVYSLVFLVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VQL DAAKRYLDE-LVDRSLISAGEN IEDAVLIR VCVALLCVQAND EHRPNIKDVVMLNTFALD VPKPP-P
15233263.p SPEYPRGCL FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNLKRNVPF VDPSLGLDS AVENPVQLRC VCVALLCVQONAD ALSLPKP
83505375.q APEYAMCGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VEL KECRWE-LPDPSIYNA CPEHK VCVALLCVQONAD EDRPIMDVLLMLXGDGNN ALSLPKP
AK103360.q APEYAMCGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VKL NEKIAAE-FDPSLALAGD YKKECAWRQ FVYVFSILLSFSL R
AK105608.q APEFALECV YSVKNDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VKL NEKIAAE-FDPSLALAGD YKKECAWRQ FVYVFSILLSFSL R
AK101616.q SPEYAMEGI FSVRSDVYSPFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VQL NGRGCE-LLDPAIRGT CPAKEBLRC VCVALLCVQDH ADRPIMDVLLMLXGDGNN ALSLPKP
83553469.q SPEYAMEGI FSVRSDVYSPFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VRCQNEKGPB-LLDPAIRGT CSRLQVLRQ VCVALLCVQDH ADRPIMDVLLMLXGDGNN ALSLPKP
15234429.p SPEYAMEGI FSVRSDVYSPFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VLYLTHRSDE-LWDKIRVT CSKRENLRC VCVALLCVQDSA AERPNMASVLLMLSDTA TLAPR-Q
15237045.p SPEYDIDCY FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VRCGLEKAYE-LIDPAVNES CTDISEVLRV IGVALLCVQODD DDPSPMDVLLMLSEMI LLDPKQF
15237047.p APEYALDGE FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VFKM VREPRE-VEEWSWLEE TSVIPFVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS LPPTQF
AK110116.q APEYAMDGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VFSVKEKGP VDPSLGLDS SFNQEEEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS LPPTQF
47360009.q SPEYAMDGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VFSVKEKGP VDPSLGLDS SFNQEEEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS LPPTQF
AK066162.q SPEYAMDGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VRL KECRWE-LPDPSIAGT SSNTIEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS ALLECEP
47360004.q SPEYAMDGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VLL KECRSD-LLDQBLGG SFDSYEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS ALLECEP
83553464.q SPEYAMDGV FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VRL RECNALA LDDAVALAAGGGG-GGY-RSEVLRQ VCVALLCVQODD DDPSPMDVLLMLSDSS VVPORP
15234424.p SPEYAMCGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VEN KECKGIE IVPSIIVDSSSSMLFOPHEVLRQ IGVALLCVQODD DDPSPMDVLLMLSEKG EYFSRPP
15234427.p SPEYAMCGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VEN KECKGIE IVPSIIVDSSSSMLFOPHEVLRQ IGVALLCVQODD DDPSPMDVLLMLSEKG EYFSRPP
59180010.q APEYAMGII FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VWN KECKGIE IIDPMLTDSSS TFRQHEVLRQ IGVALLCVQODD DDPSPMDVLLMLSEKG EYFSRPP
59180010.q APEYAMGII FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNL NEKAKDI-MDSTIITAN CLLDDEVI LCI VCVALLCVQODD EDRPIMDVLLMLSEKG EYFSRPP
59180009.q SPEYAMGII FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNL NEKAKDI-MDSTIITAN CLLDDEVI LCI VCVALLCVQODD EDRPIMDVLLMLSEKG EYFSRPP
59760019.q APEYAMEGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNM KECKTKD-LDPSIIGS CLLDDEVI LCI VCVALLCVQDNP NDRPIMSVTVEIENGSS SALPAPSRP
59760018.q APEYAMEGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNM KECKTKD-LDPSIMDS CLQDPLN LCI VCVALLCVQDNP NDRPIMSVTVEIENGSS SALPAPSRP
59180002.q APEYAIECI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNM KECKMD-LDPSIMDS CLLBDEVI LCI VCVALLCVQDNP NDRPIMSVTVEIENGSS SALPAPSRP
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59180008.q APEYAMEGM FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VNM KECKMD-LDPSIMDS CLLBDEVI LCI VCVALLCVQDNP NDRPIMSVTVEIENGSS SALPAPSRP
22086619.q SPEYAMEGI FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CPLBEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS LPPTQF
81860009.q SPEYALDGY FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CPLBEVLRQ IGVALLCVQODD DDPSPMDVLLMLSDSS LPPTQF
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15236268.p SPEYALEGCL FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CTKNCFVLO IGVALLCVQODD NDRPIMSVTVEMLNEAA ILLPAPKQF
83543188.q APEYSTRGI FSVKSDDIYSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CTKNCFVLO IGVALLCVQODD ADRPIMSVTVEMLIGGVAALS ALPPKQF
1ir3_IRK APESLKDCV FTSKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CTKNCFVLO IGVALLCVQODD KMRPTFMLEIVNLLKDDLHP SEPEVS
2phk_Phk APEIIECMNDNHFGYKBDMSTCVIAYLLA-SPP FSIKDDVFSFVVVLEIISCRKIN-TAGFHQY-GEFVNLLGYA VSL KDDNARD-LVDSIIVRES CTKNCFVLO IGVALLCVQODD DTPVKDLSRFUVQFQKRY TAAEALAH
lias_TGFbr APEVLD SINKHFEFSKRADIYAMLVFWETARRCSIGGIHEDYQLPYDLPVSD VSL KDDNARD-LVDSIIVRES CTKNCFVLO IGVALLCVQODD VMAPRIMRECWYANG AARLIT

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